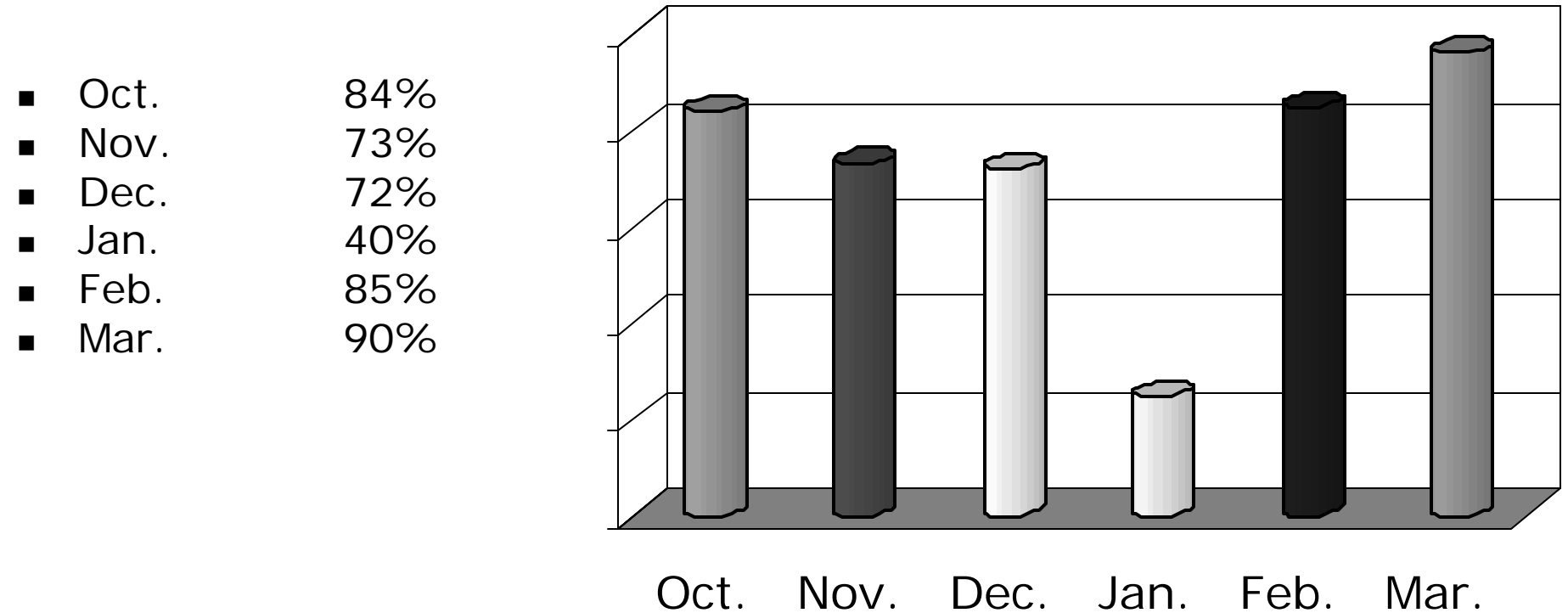


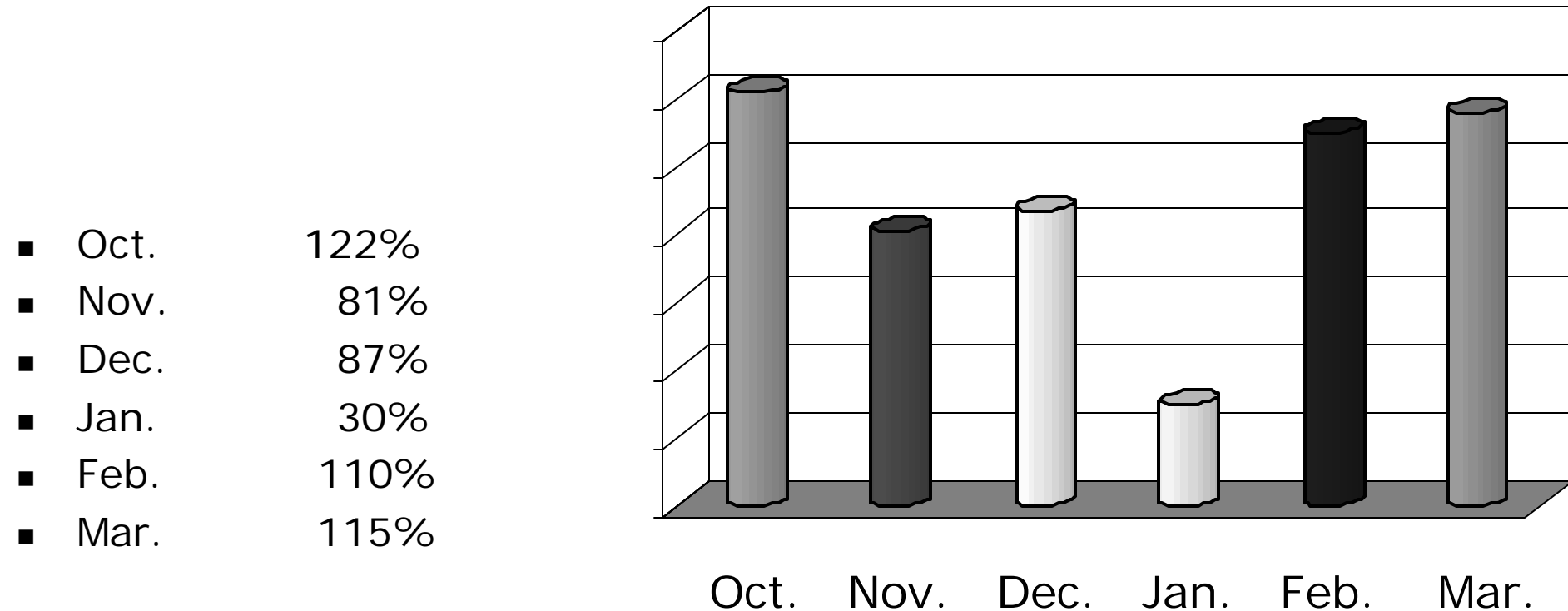
Hydrologic Outlook

Brian McInerney
Hydrologist
National Weather Service
April 2003

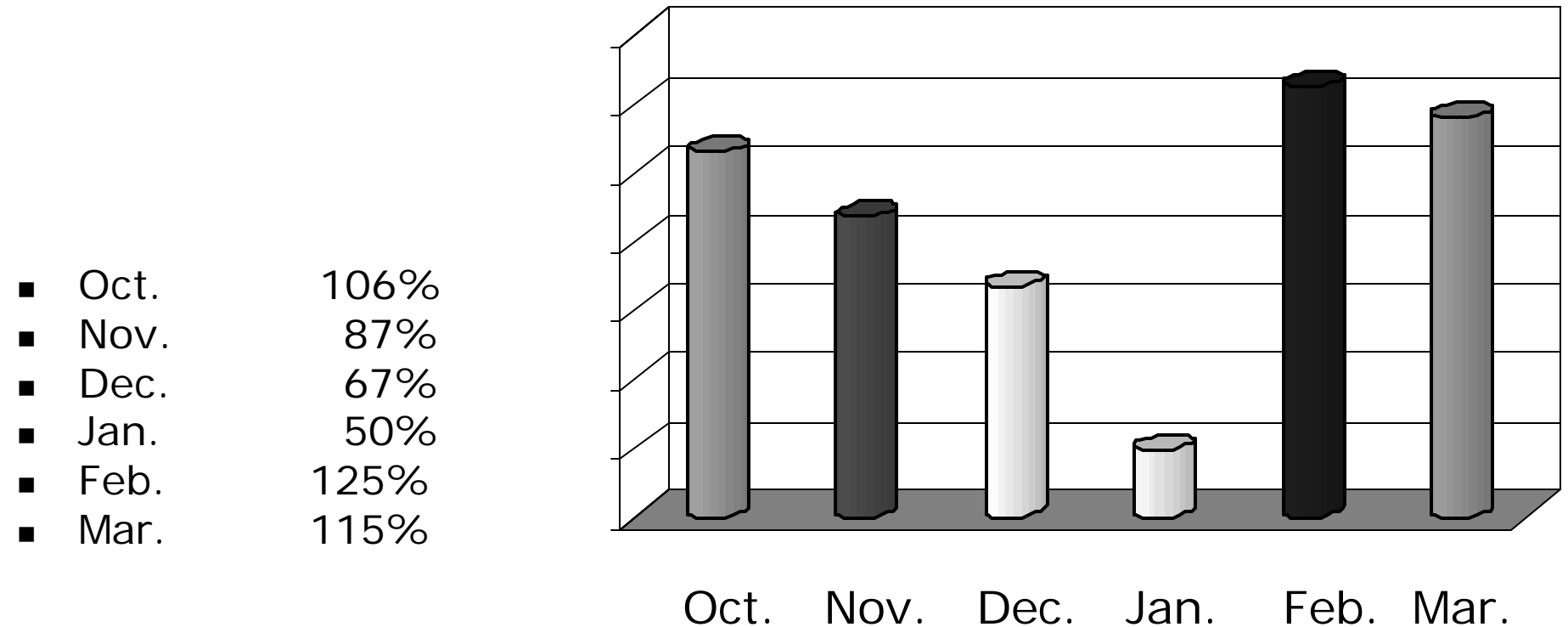
Great Basin Precipitation



Sevier River Basin Precipitation

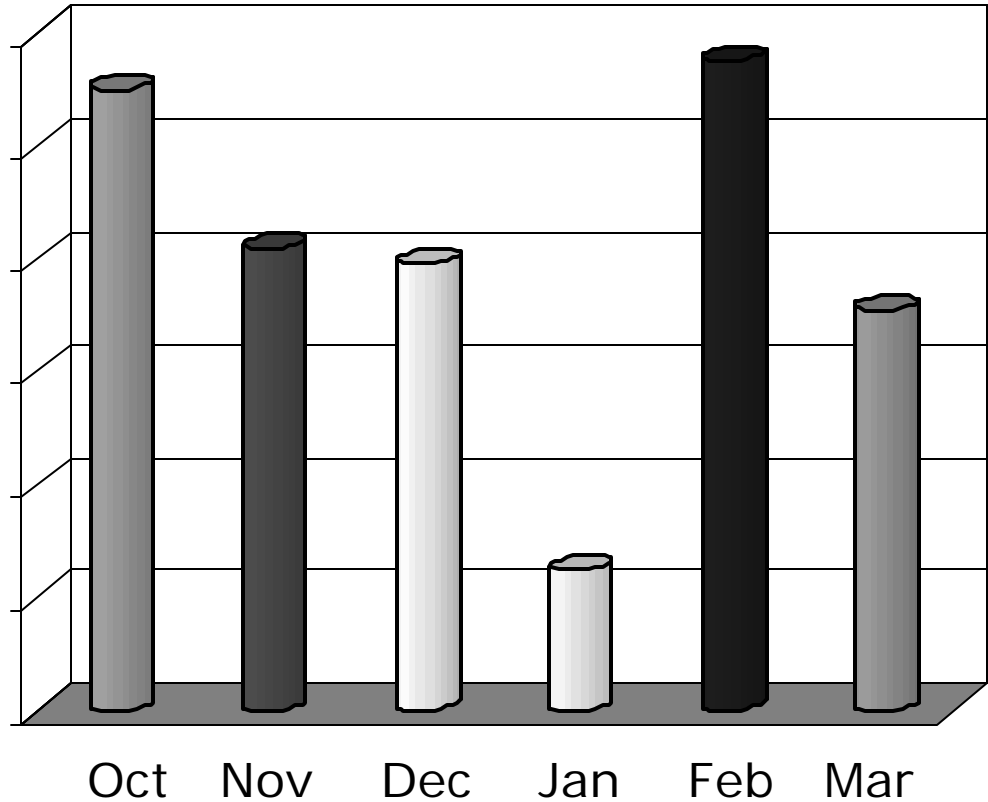


Green River Basin Precipitation



Virgin River Basin Precipitation

■	Oct.	110%
■	Nov.	82%
■	Dec.	79%
■	Jan.	25%
■	Feb.	115%
■	Mar.	75%



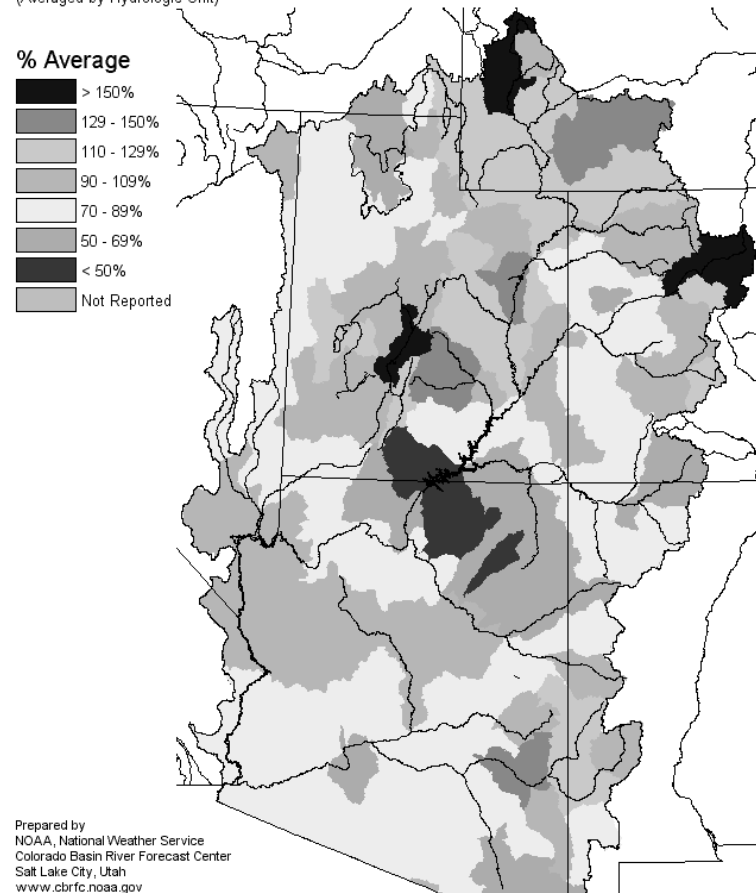
Graphical Precipitation Map

March 2003

Utah and Surrounding Area

- Wasatch front once again driest areas for the month
- Wasatch Front received 50-89% of normal
- Green and Sevier River basins received normal amounts

Monthly Precipitation for March 2003
(Averaged by Hydrologic Unit)



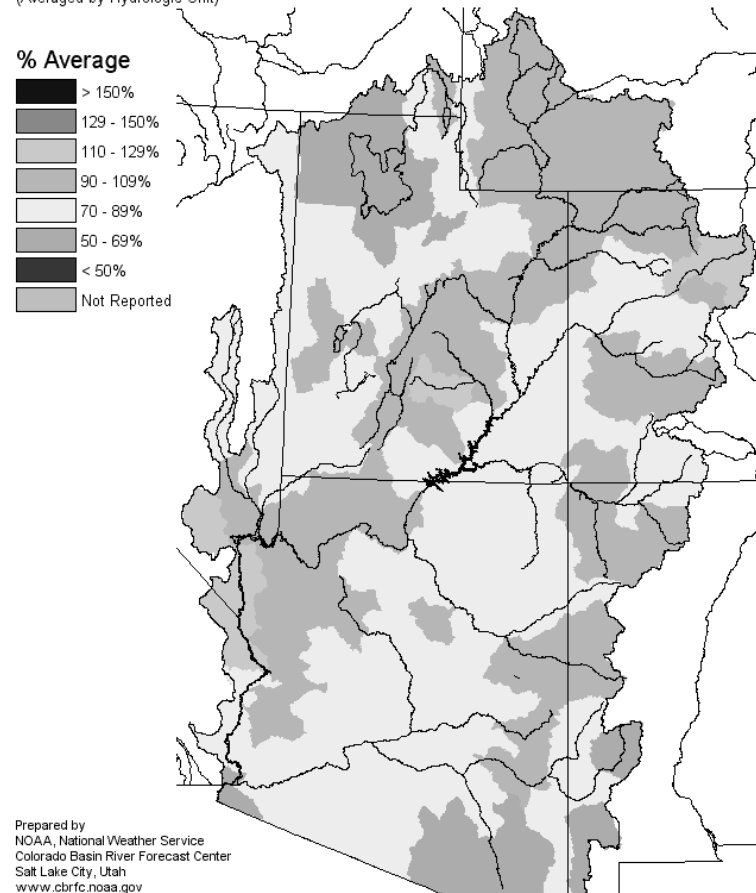
Graphical Precipitation Map

October through March

Utah and Surrounding Area

- South Central Utah and Upper Green River basin has received the most precipitation in the state
- Wasatch Front has received the least amount of precipitation over the season

Seasonal Precipitation, October 2002 - March 2003
(Averaged by Hydrologic Unit)

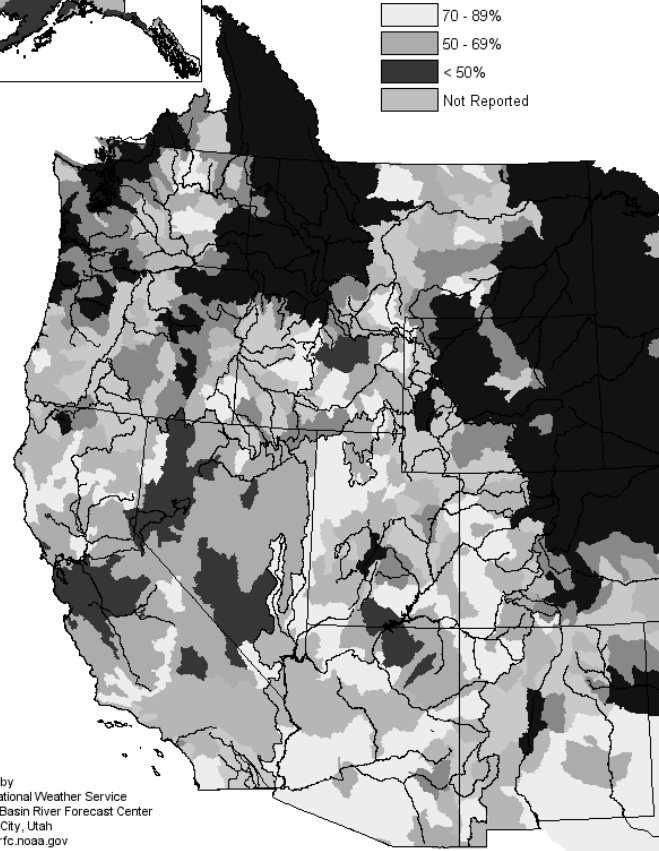
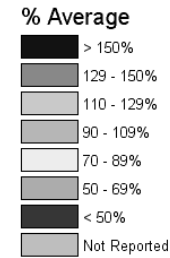
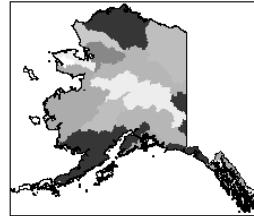


Graphical Precipitation Map

March 2003

Western U.S.

Monthly Precipitation for March 2003
(Averaged by Hydrologic Unit)



Prepared by
NOAA, National Weather Service
Colorado Basin River Forecast Center
Salt Lake City, Utah
www.cbrfc.noaa.gov

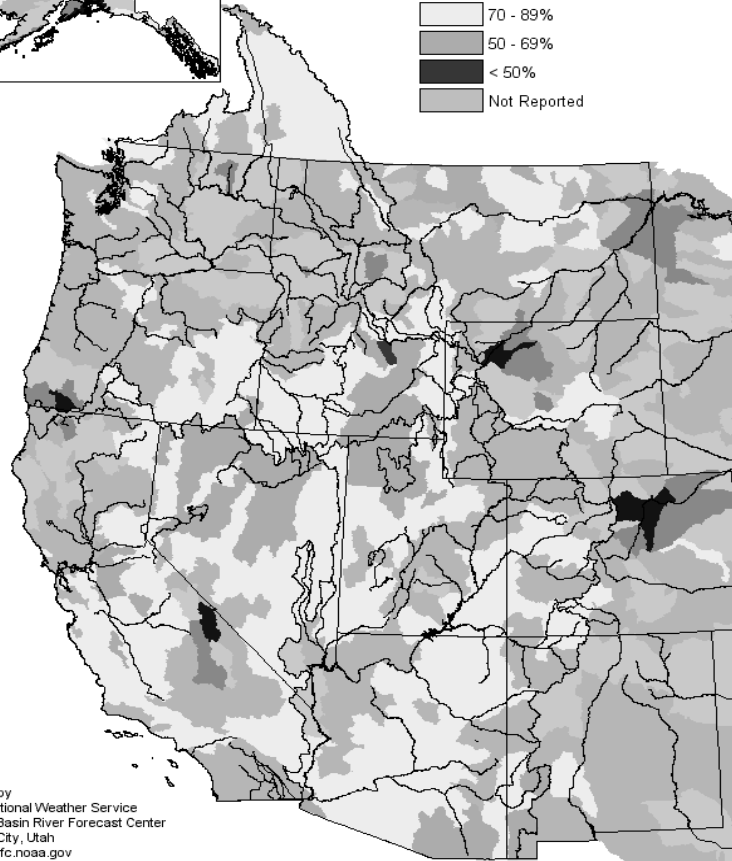
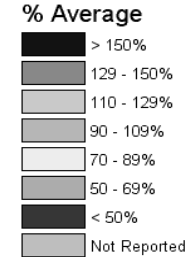
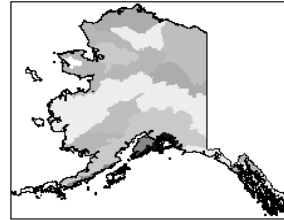
- Idaho, Montana, Wyoming, and Colorado received greater than 150% of normal
- Utah, Nevada, Central and Southern California, Arizona received below average amounts

Graphical Precipitation Map

October through March

Western U.S.

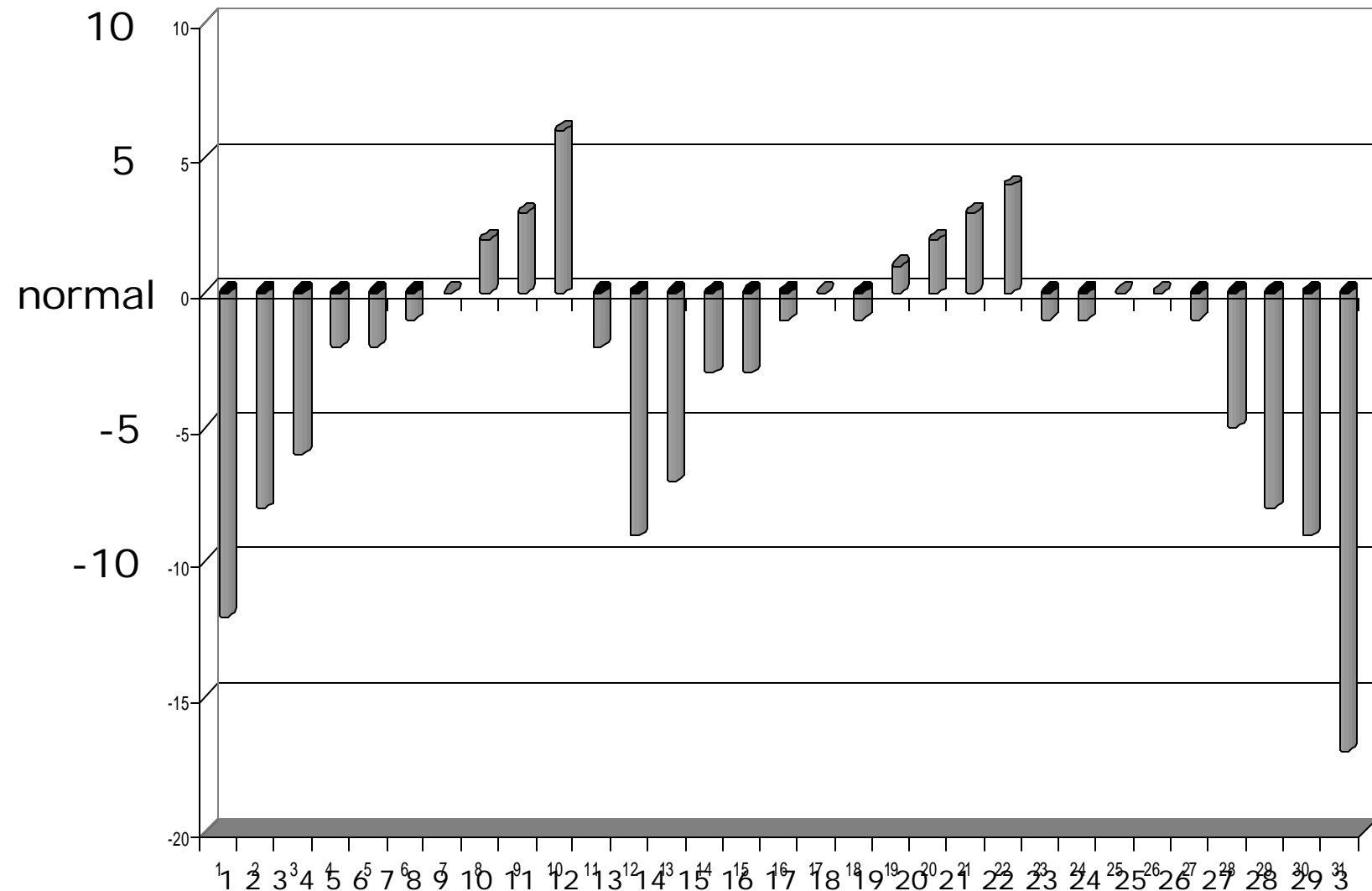
Seasonal Precipitation, October 2002 - March 2003
(Averaged by Hydrologic Unit)



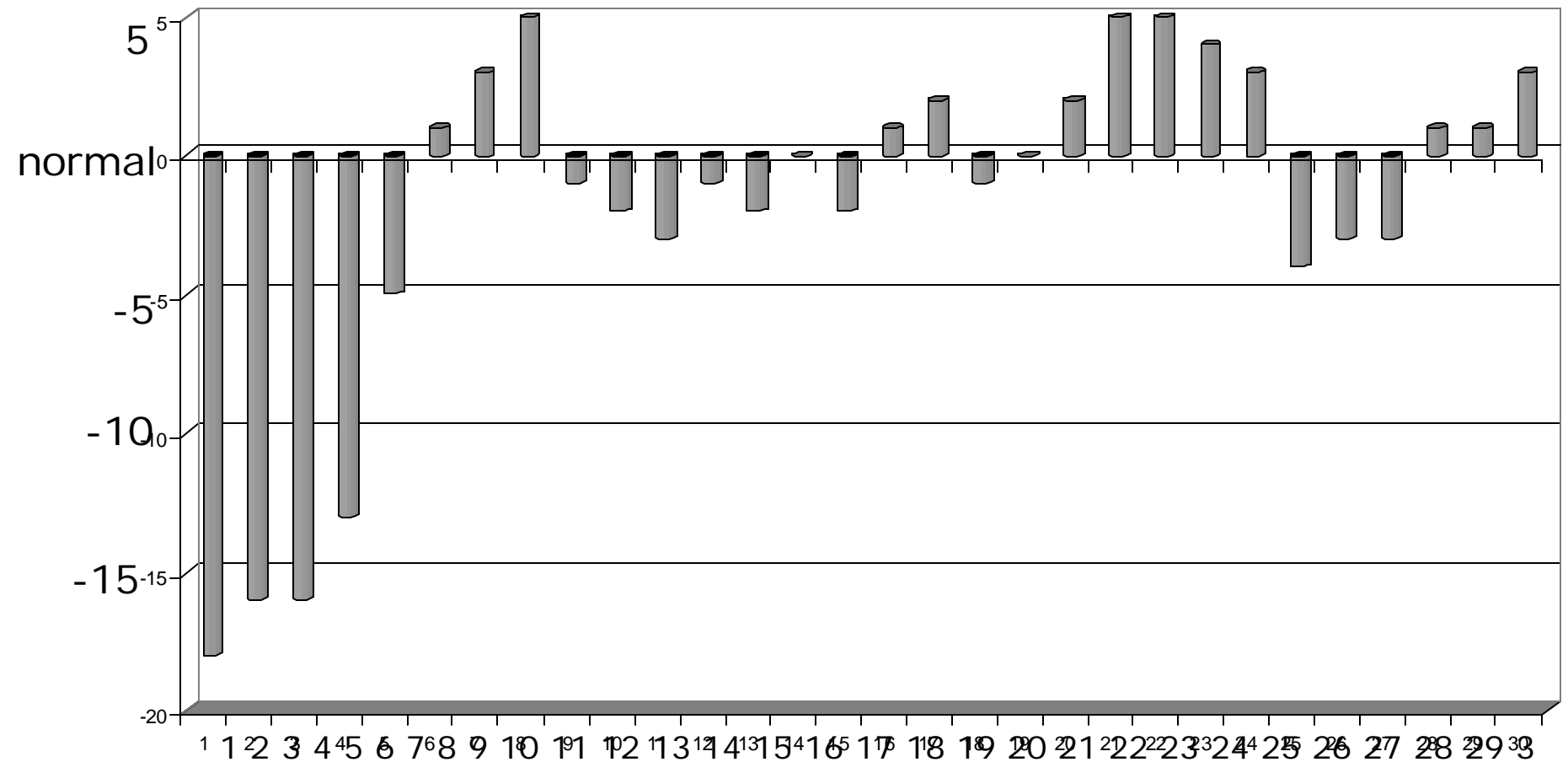
Prepared by
NOAA, National Weather Service
Colorado Basin River Forecast Center
Salt Lake City, Utah
www.cbrfc.noaa.gov

- Areas surrounding Utah received more precipitation
- Driest area off Great Basin and northern Nevada

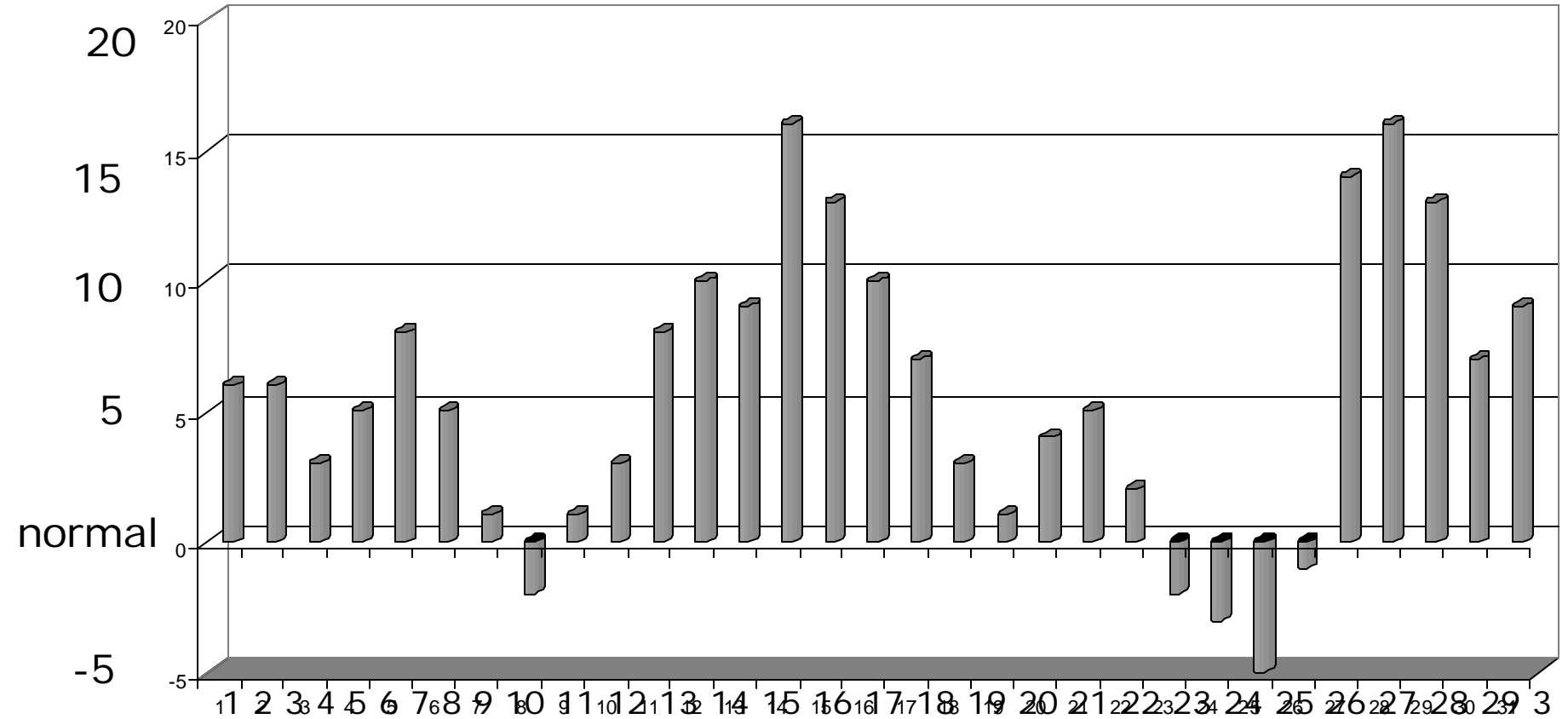
October Temperature Departure From Normal (SLC)



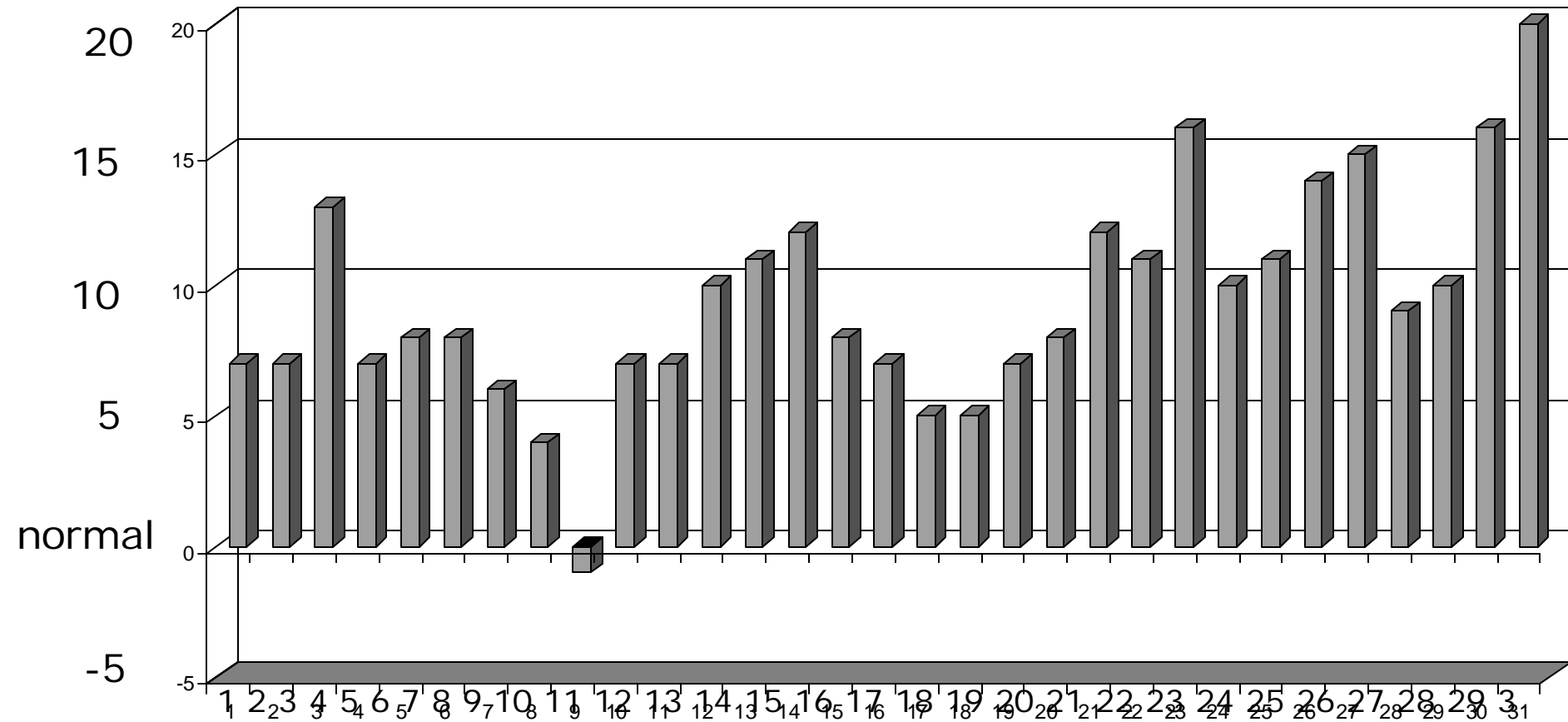
November Temperature Departure From Normal (SLC)



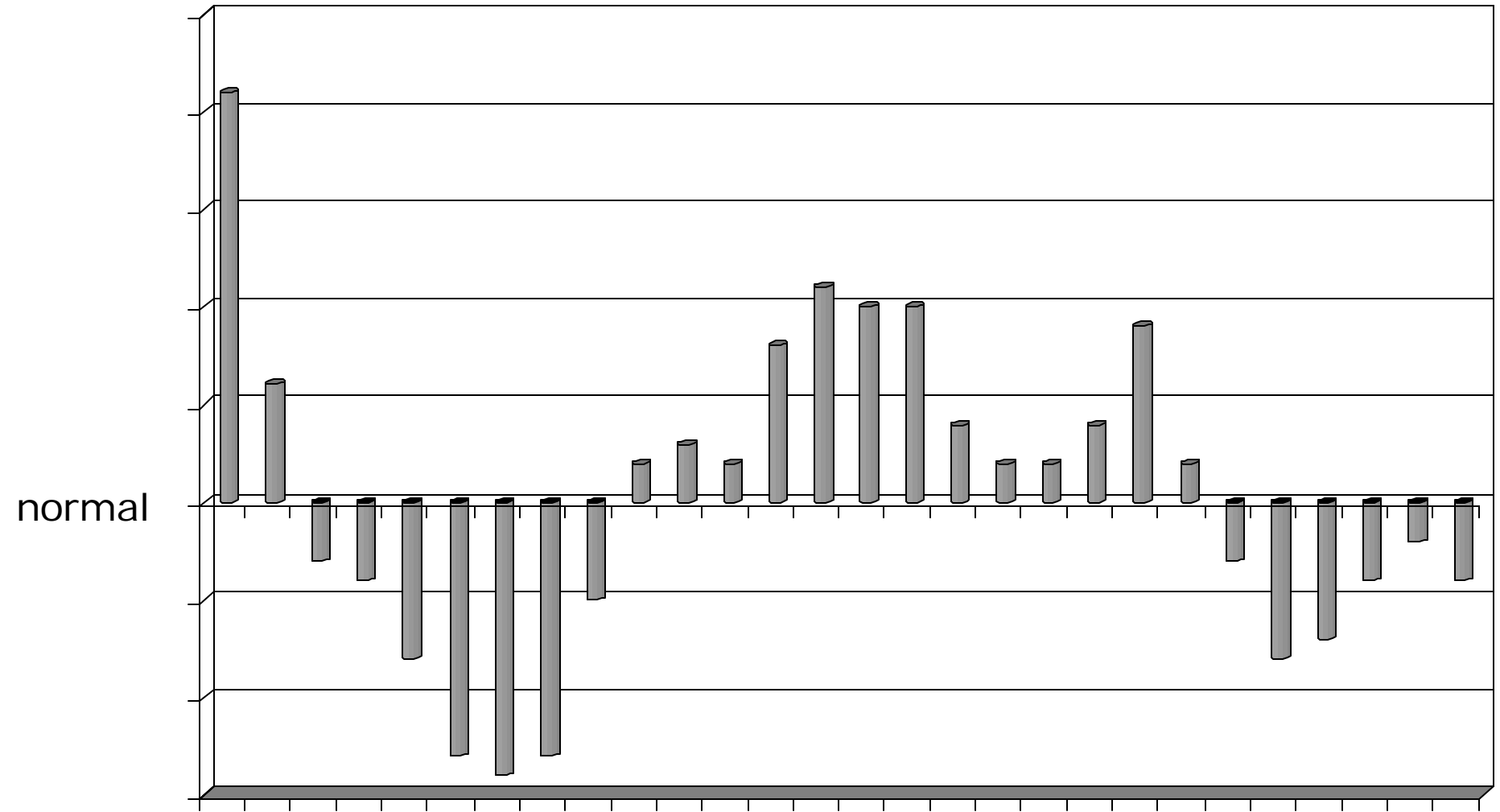
December Temperature Departure From Normal (SLC)



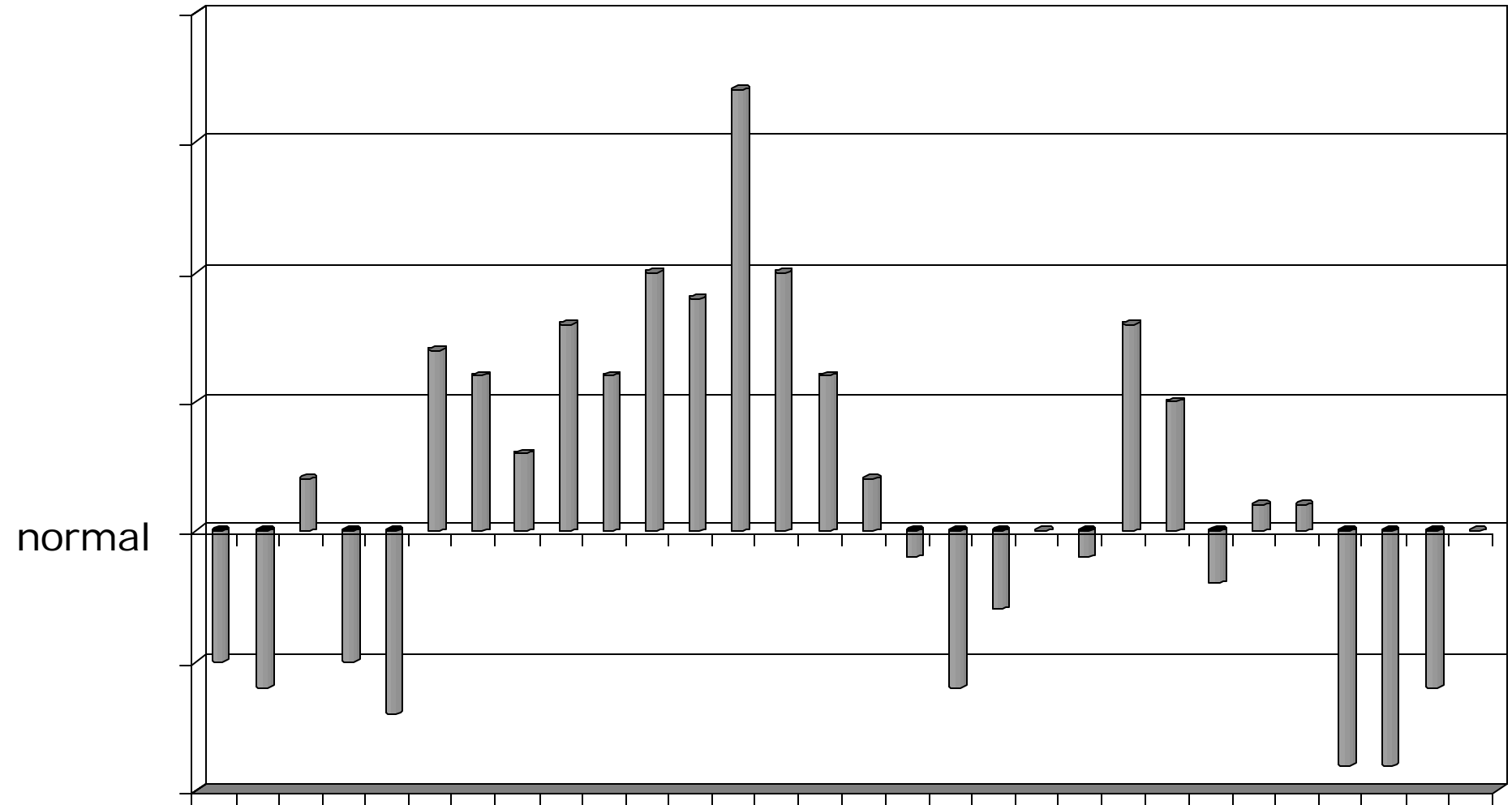
January Temperature Departure From Normal (SLC)



February Temperature Departure From Normal (SLC)



March Temperature Departure From Normal (SLC)



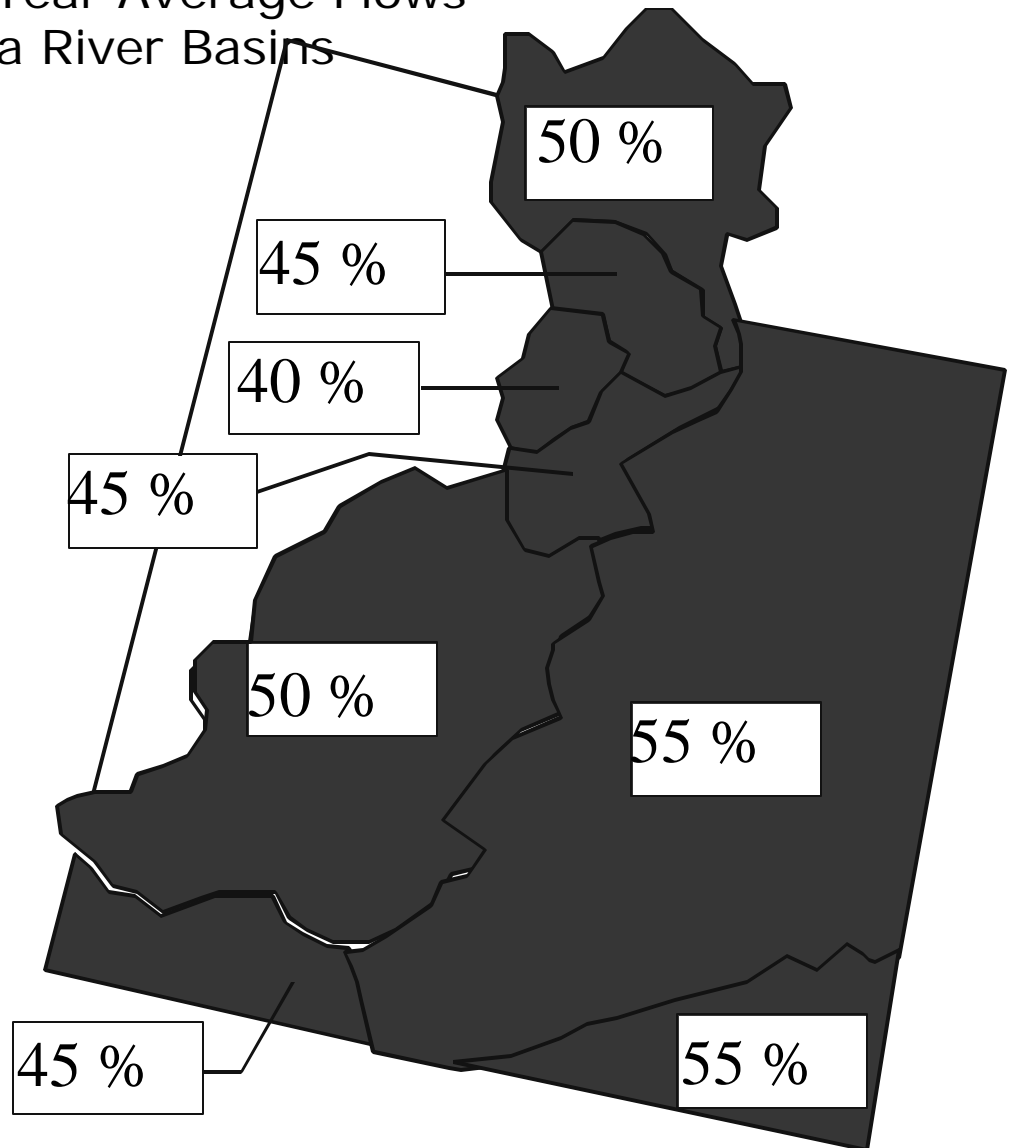
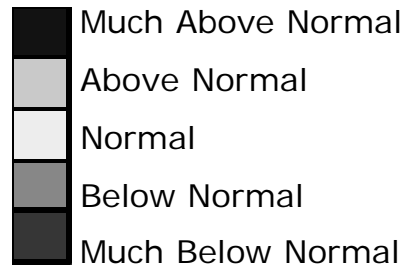
Forecasted Utah Spring Snowmelt Runoff Volume

April 1st 2003

April Through July Volume Forecast

Percent of 30 Year Average Flows

Utah Area River Basins



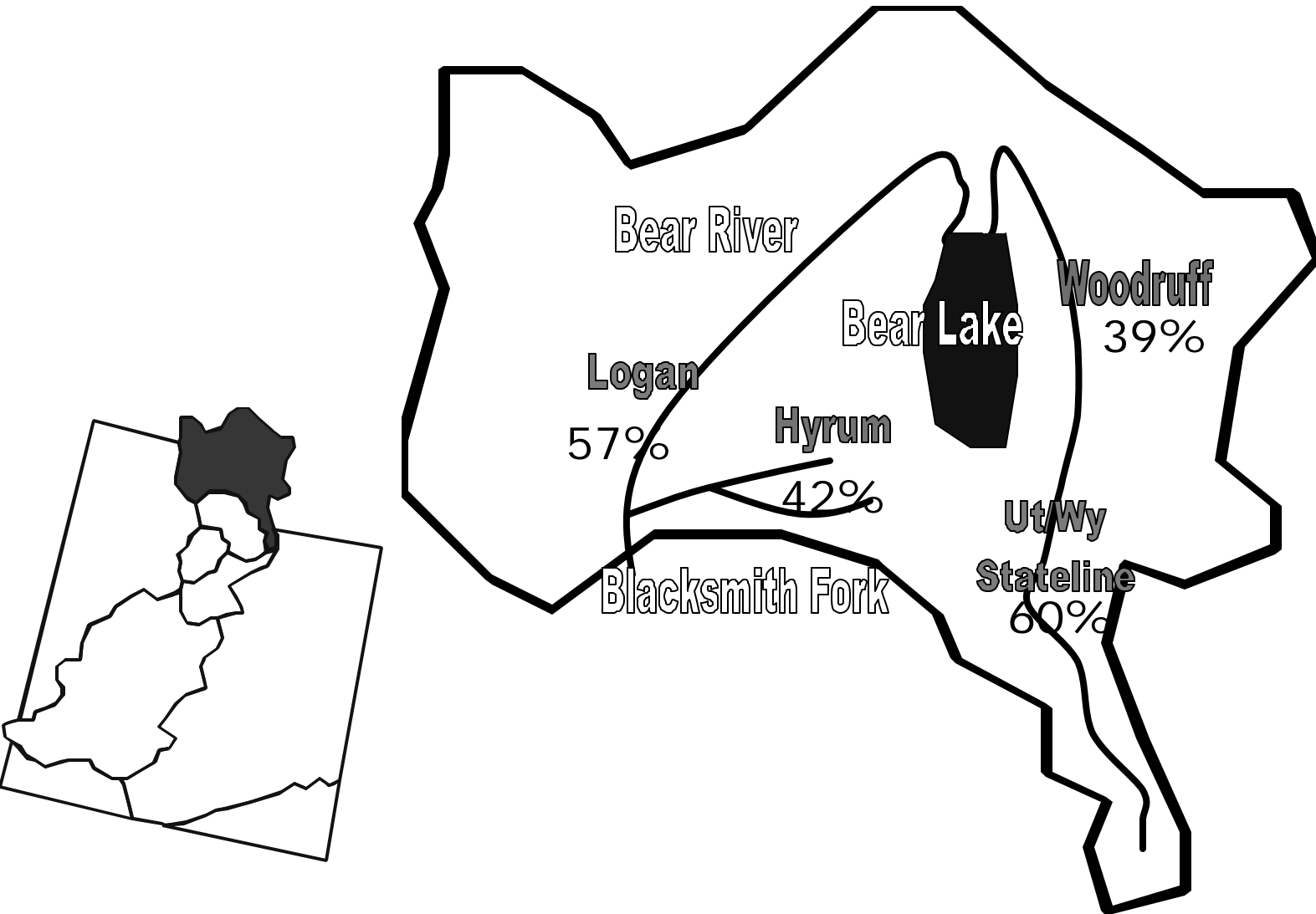
Forecasted Utah Spring Snowmelt Runoff Volume

April 1st 2003

April Through July Volume Forecast

Percent of 30 Year Average Flows

Bear River Basin



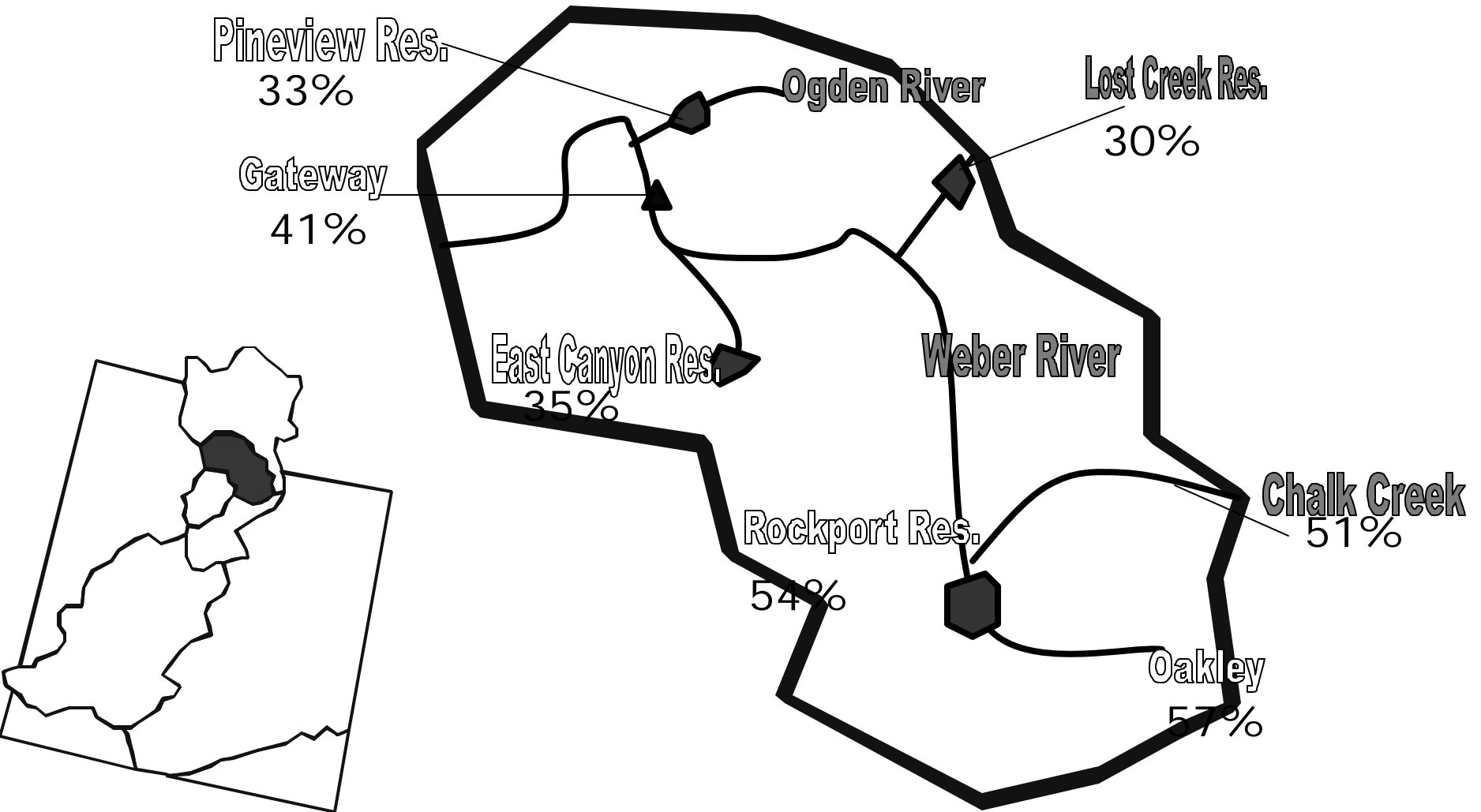
Forecasted Utah Spring Snowmelt Runoff Volume

April 1st 2003

April Through July Volume Forecast

Percent of 30 Year Average Flows

Weber River Basin



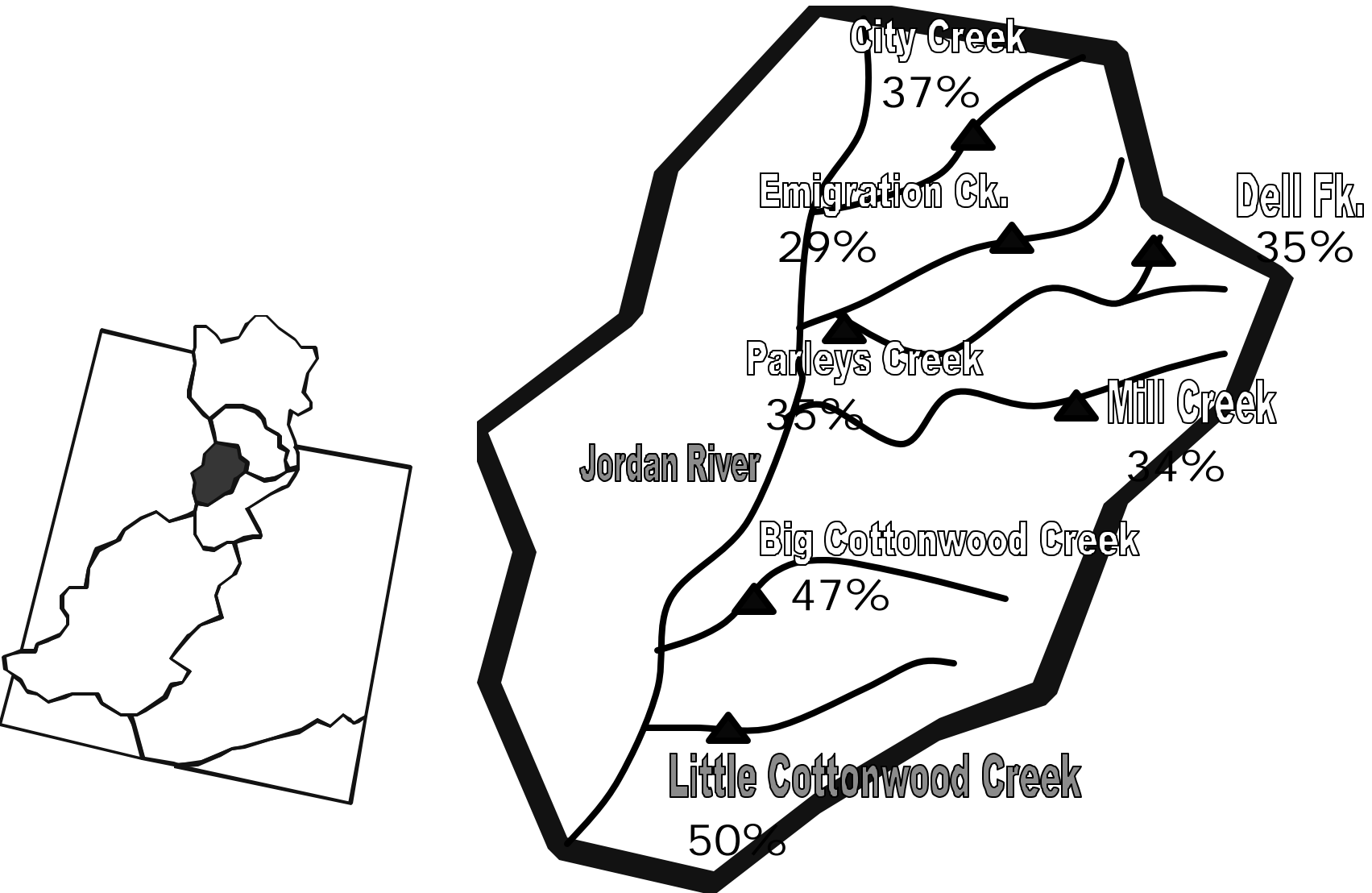
Forecasted Utah Spring Snowmelt Runoff Volume

April 1st 2003

April Through July Volume Forecast

Percent of 30 Year Average Flows

Six Creeks River Basin



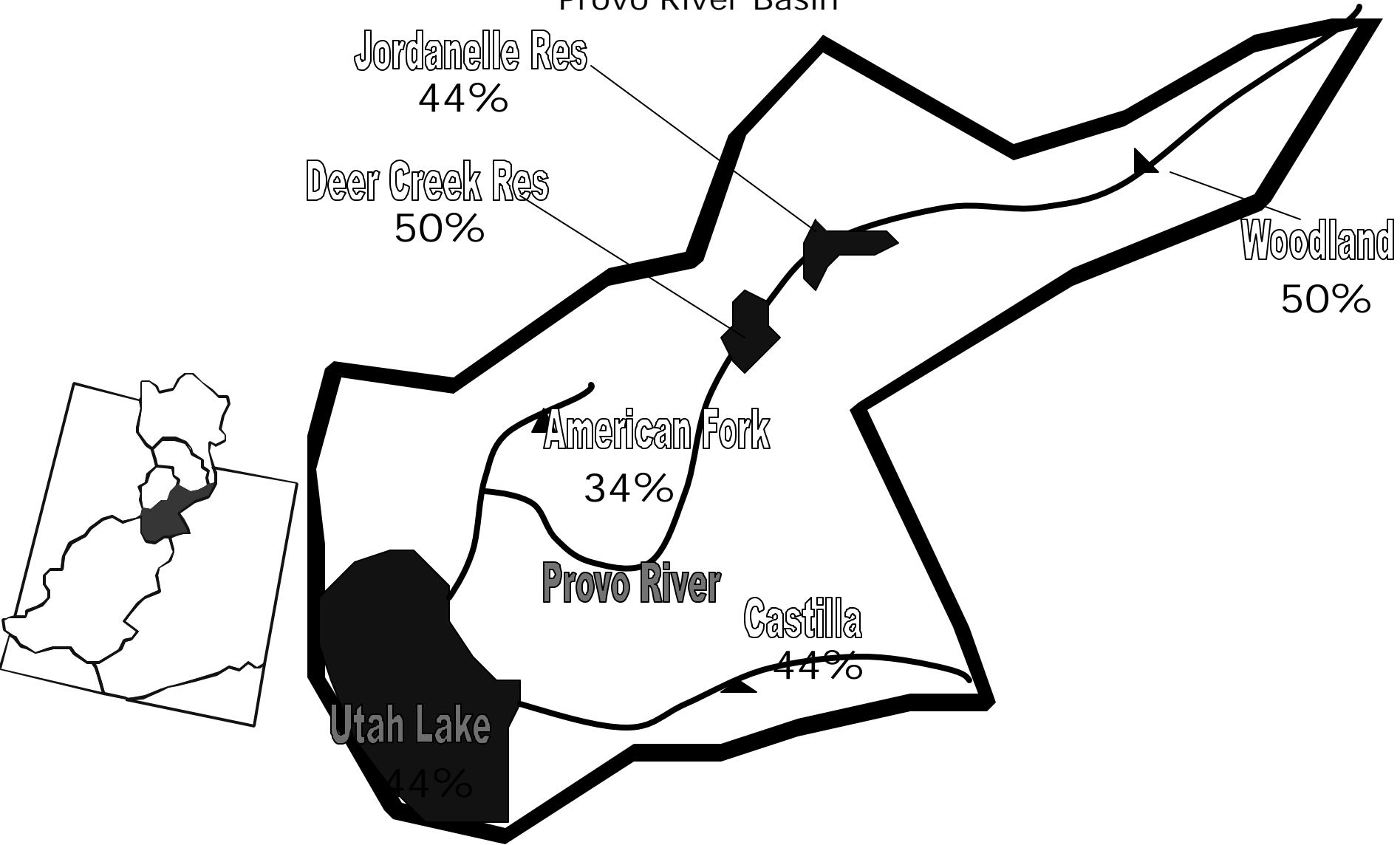
Forecasted Utah Spring Snowmelt Runoff Volume

April 1st 2003

April Through July Volume Forecast

Percent of 30 Year Average Flows

Provo River Basin



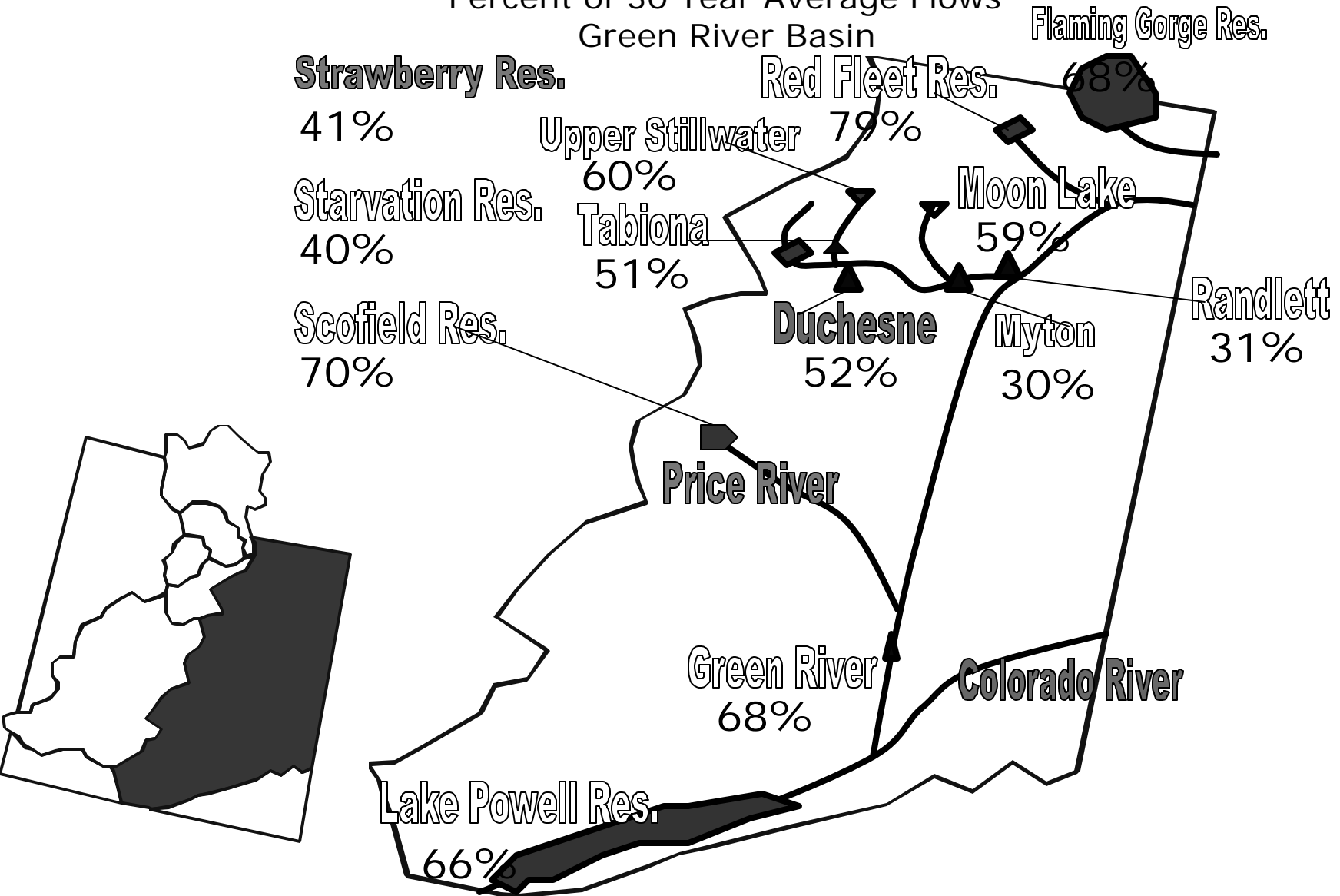
Forecasted Utah Spring Snowmelt Runoff Volume

April 1st 2003

April Through July Volume Forecast

Percent of 30 Year Average Flows

Green River Basin



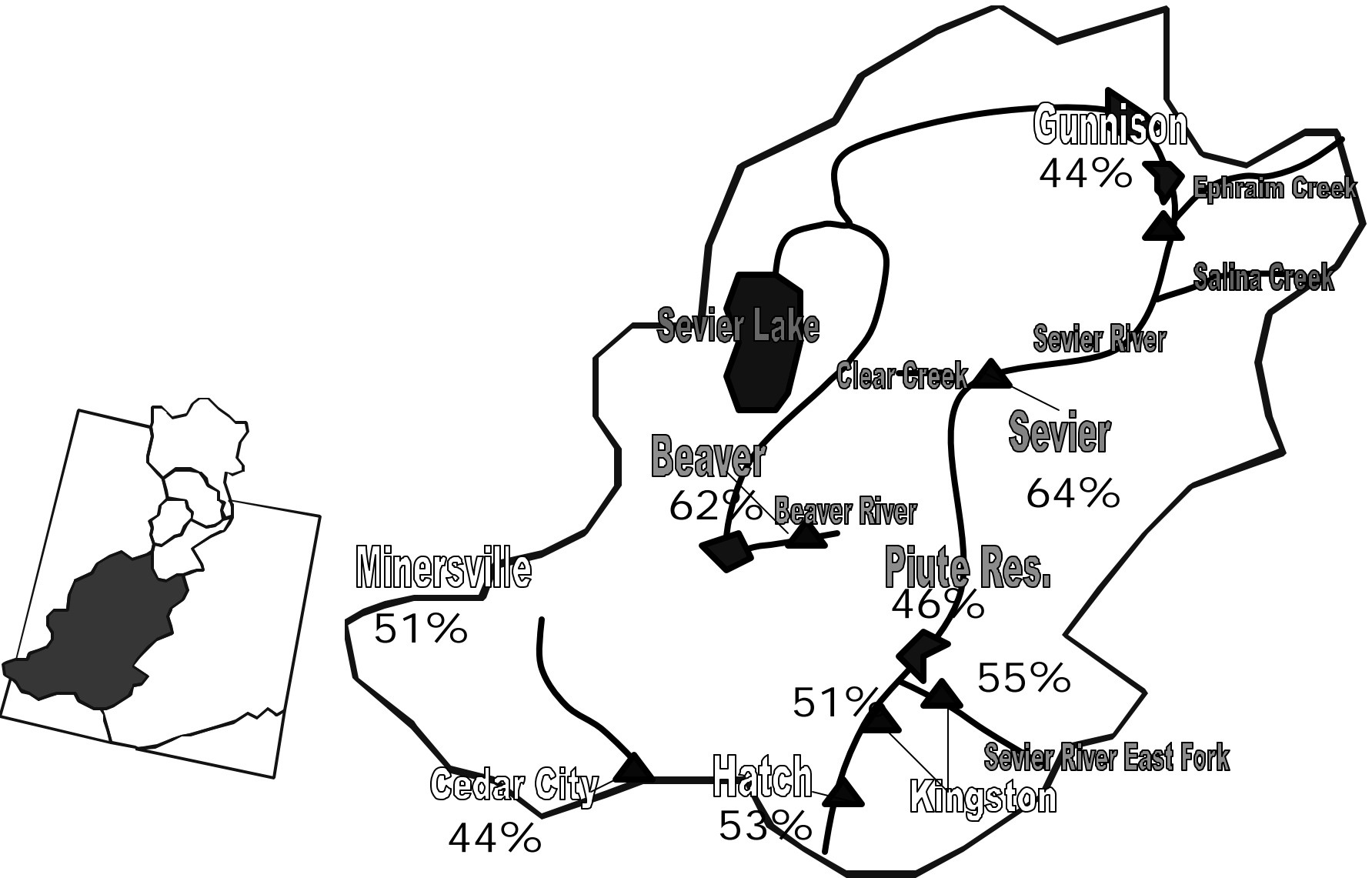
Forecasted Utah Spring Snowmelt Runoff Volume

April 1st 2003

April Through July Volume Forecast

Percent of 30 Year Average Flows

Sevier River Basin



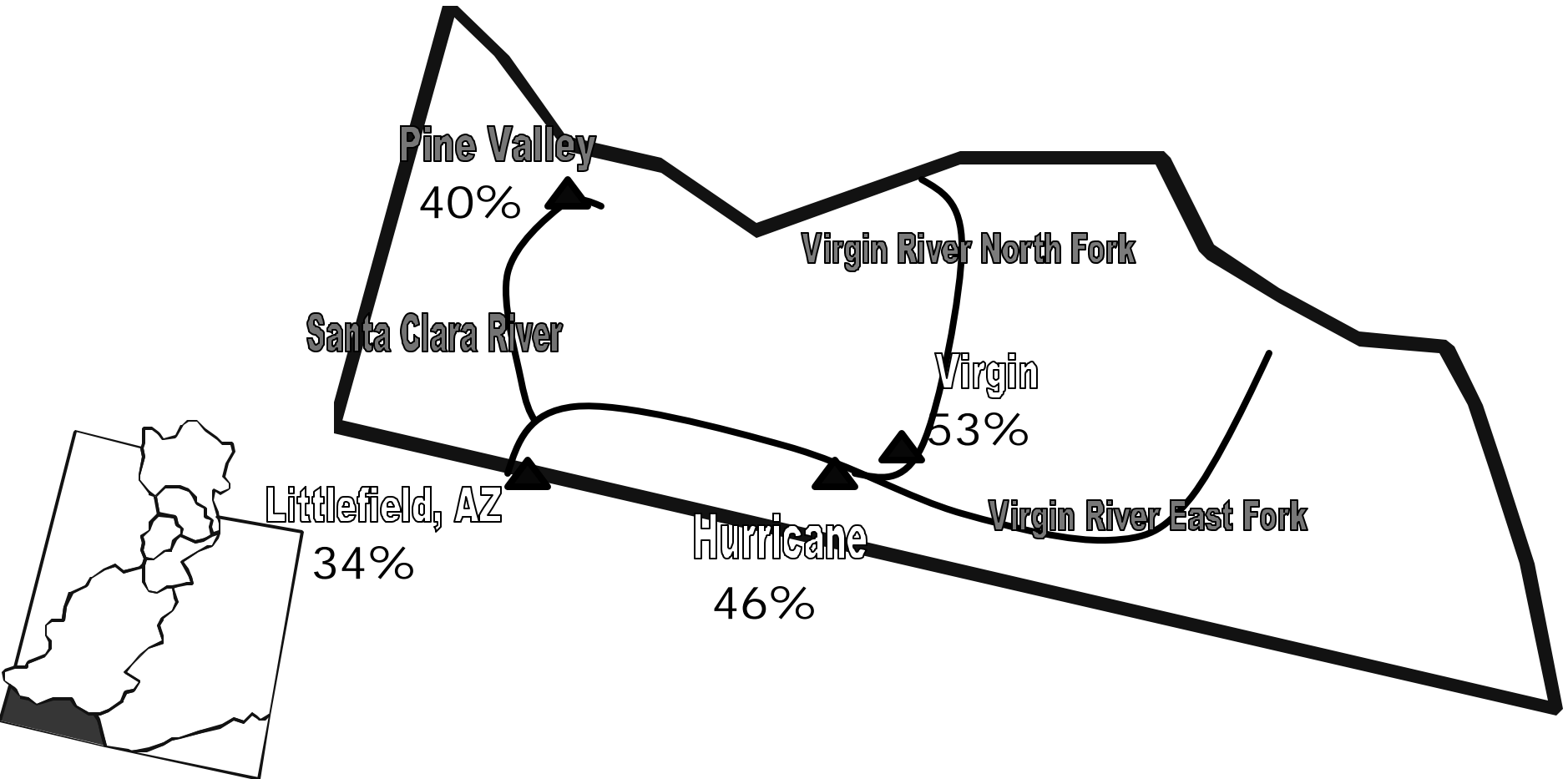
Forecasted Utah Spring Snowmelt Runoff Volume

April 1st 2003

April Through July Volume Forecast

Percent of 30 Year Average Flows

Virgin River Basin



Peak Flow Forecast

Great Basin

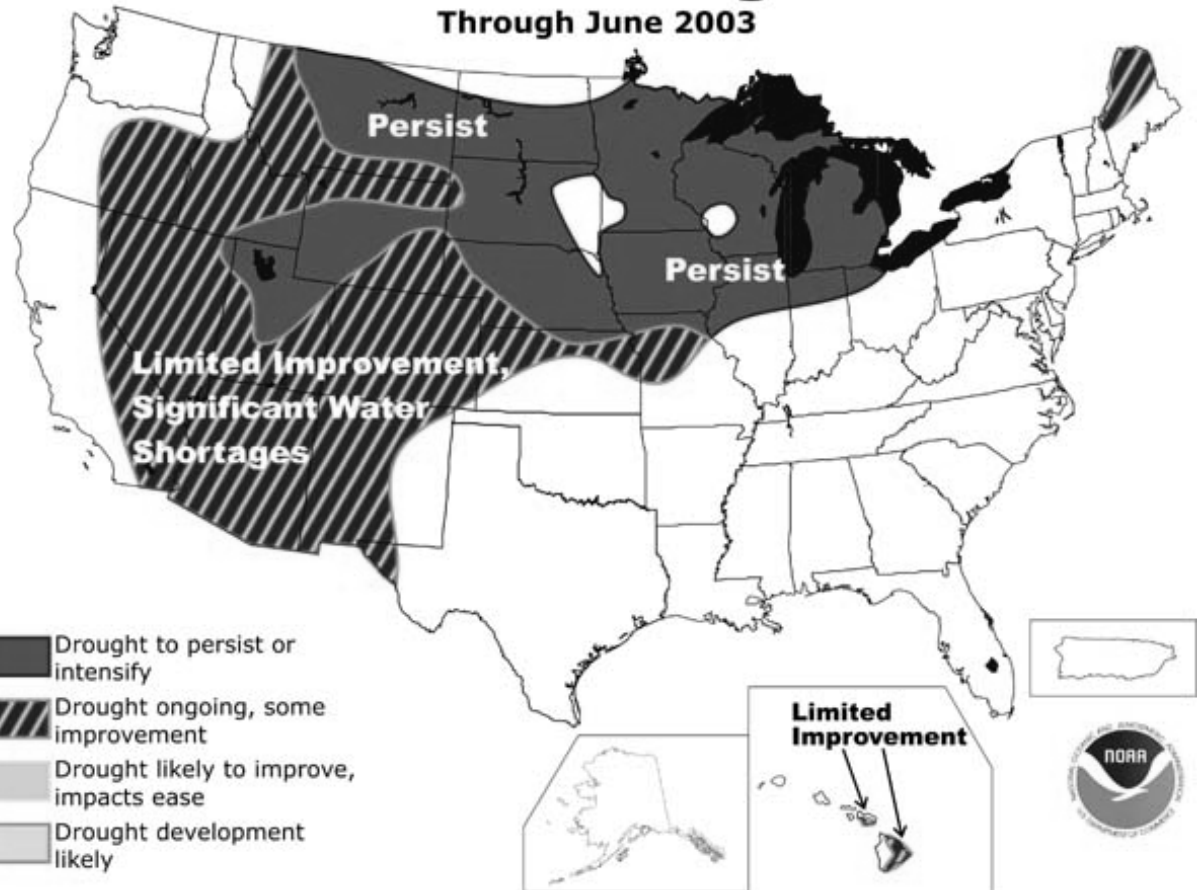
Station	Average Peak (cfs)	2003 Peak (cfs)
Bear Ut/Wy State	1,610	900
Logan nr Logan	985	550
Blacksmith Fork	490	150
Weber nr Oakley	1,625	900
Chalk Creek	600	250
Provo nr Woodland	1,685	1,400
Jordanelle Inflow	2,150	2,000
Little Cottonwood	470	300
Big Cottonwood	430	215
Mill Creek	65	20
Parleys Creek	180	70
Emigration Creek	55	20
City Creek	90	25

Peak Flow Forecast Green and Duchesne River Basins

[illegible]

Spring Drought Outlook

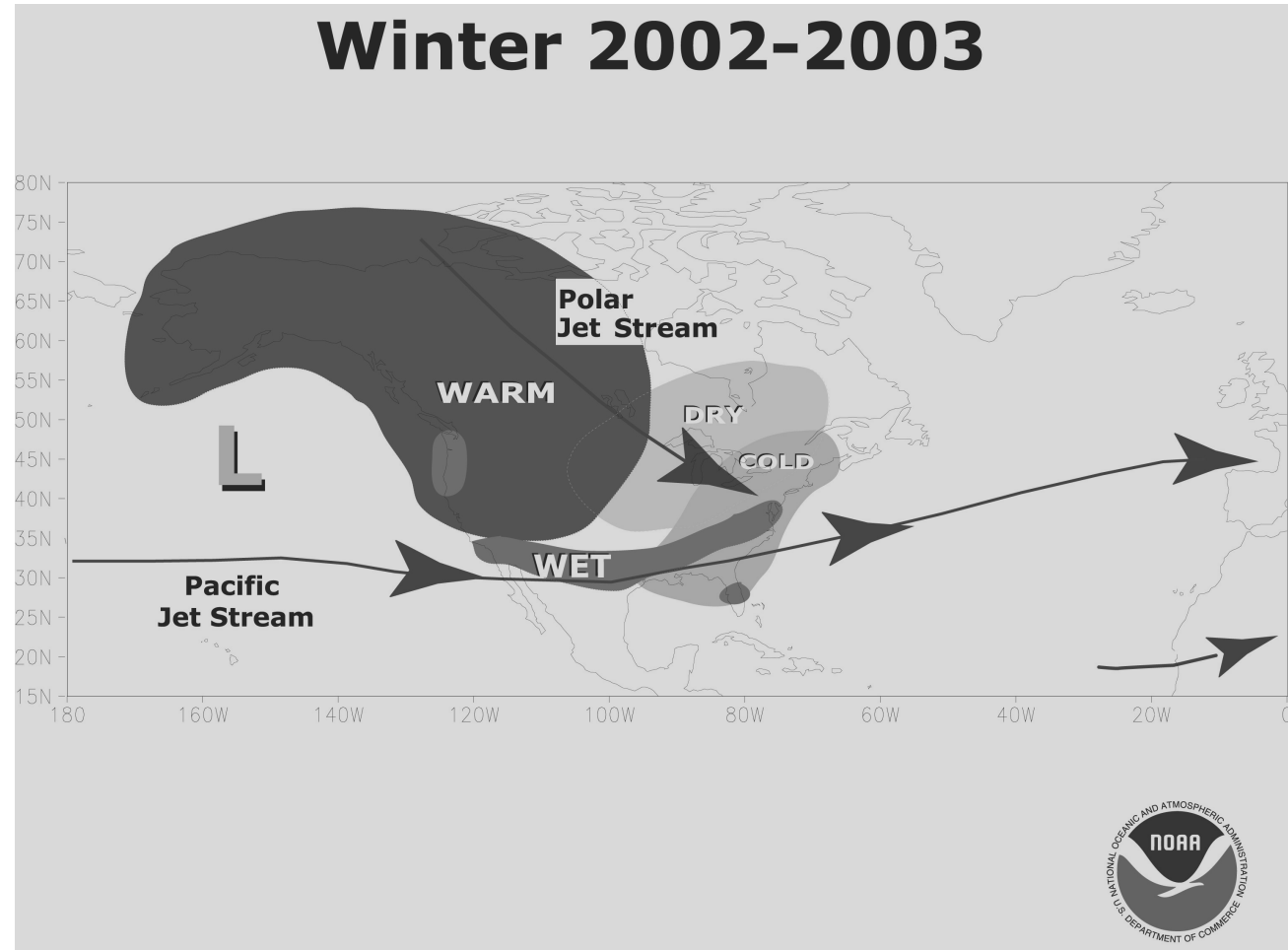
U. S. Seasonal Drought Outlook Through June 2003



- Northern Utah drought expected to persist or intensify
- Southern Utah drought conditions expected to improve slightly

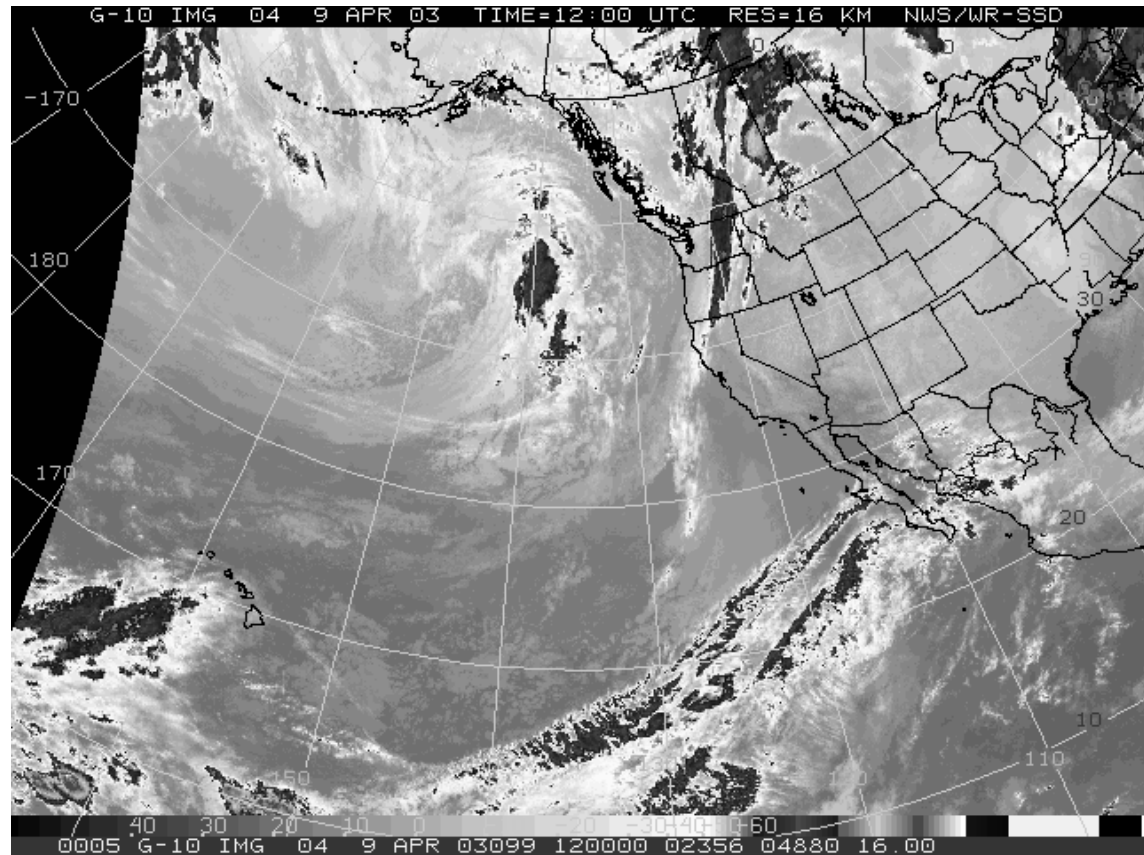
General Winter Weather Pattern

- Polar Jet brought warmer drier conditions
- Subtropical jet, or the Pacific Jet did not materialize as was expected with El Nino



Short Term Weather Forecast

- High pressure dominating pattern through Friday
- Saturday bringing cooler windy conditions
- Sunday through Tuesday cooler and unsettled. Chance of rain and snow



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http://www.wrh.noaa.gov/Saltlake/river/presentations/watersupply_march03

Additional Information

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brian.mcinerney@noaa.gov